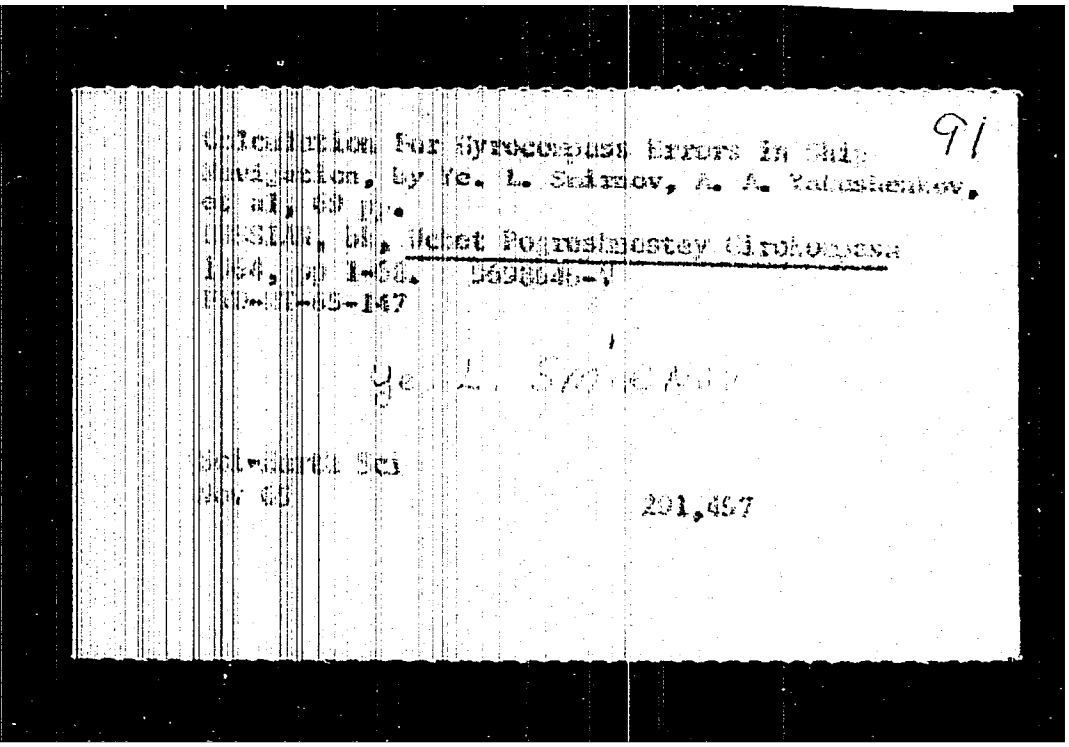
APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201300026-4



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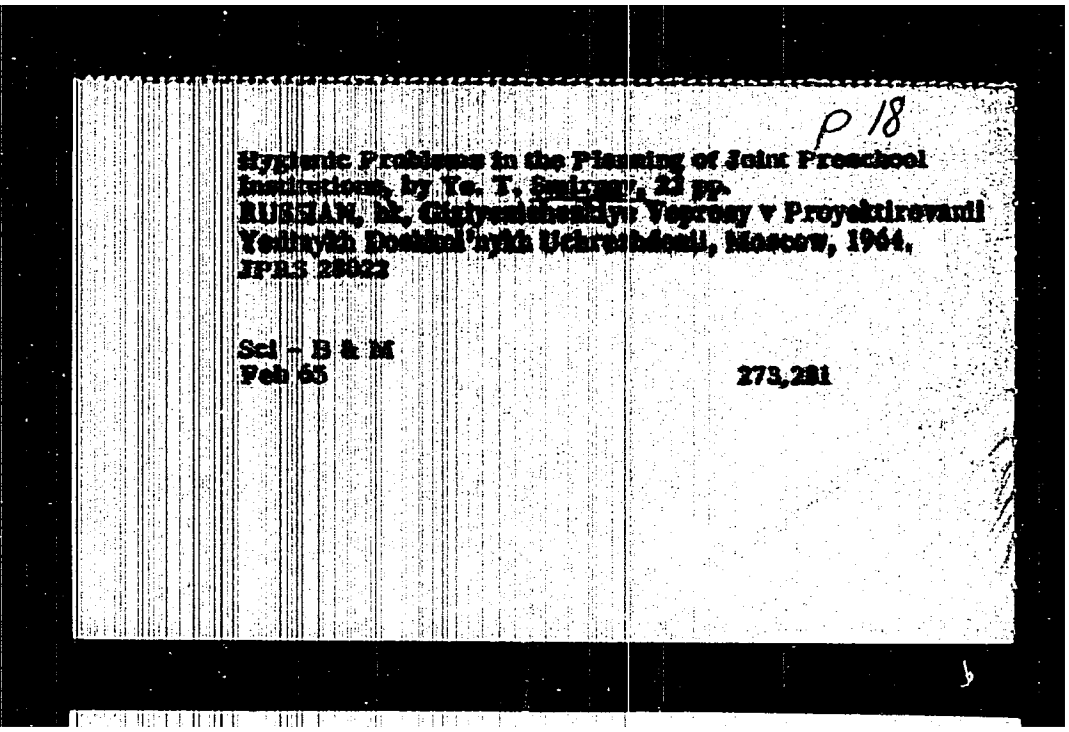

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DESCRIPTORS: *Topology.

The author submits a new solution of the general metricization problem, free of defects ascribed to previous solutions. (NASA)

(Mathematics, TT, v. 11, no. 7)

TT-64-11567

I. Title: Metricization (Mathematics)
I. Smirnov, Yu.
II. NASA-TT-F-192
III. National Aeronautics and Space Administration, Washington, D. C.
IV. Faraday Translations, New York

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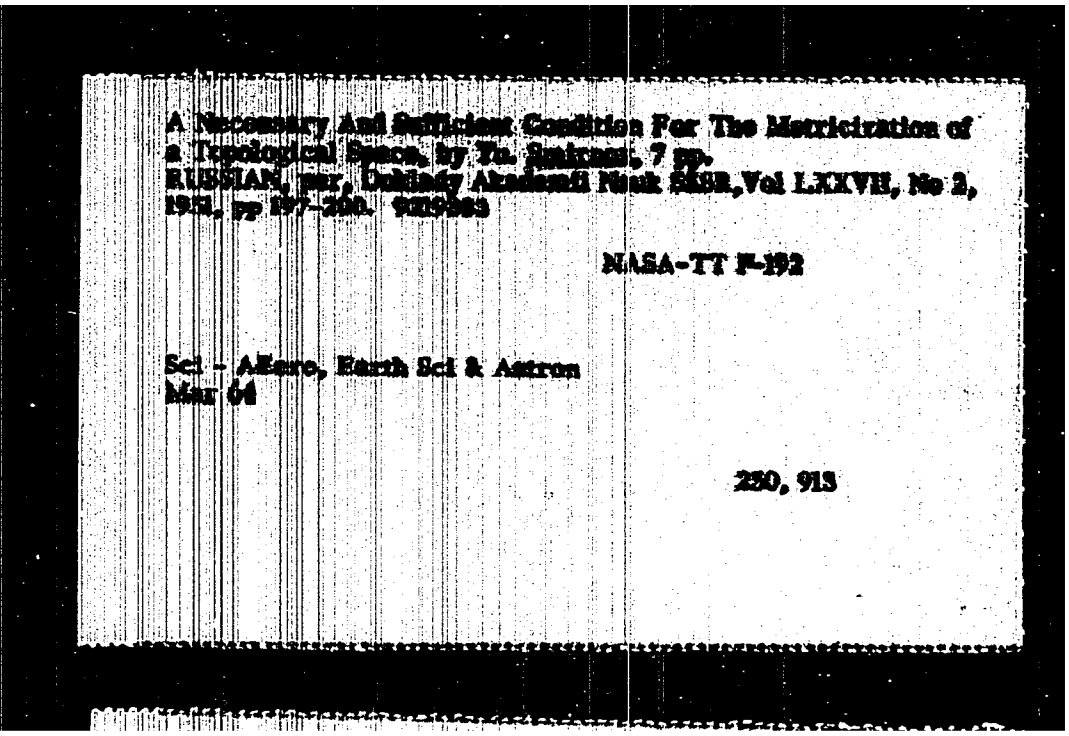

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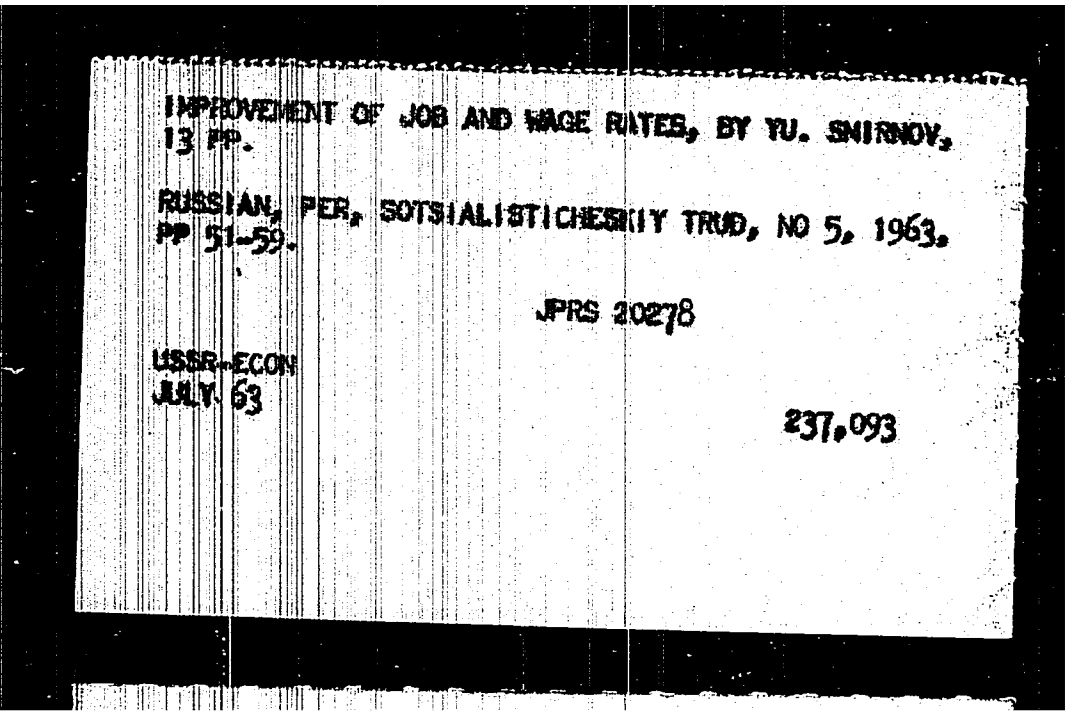

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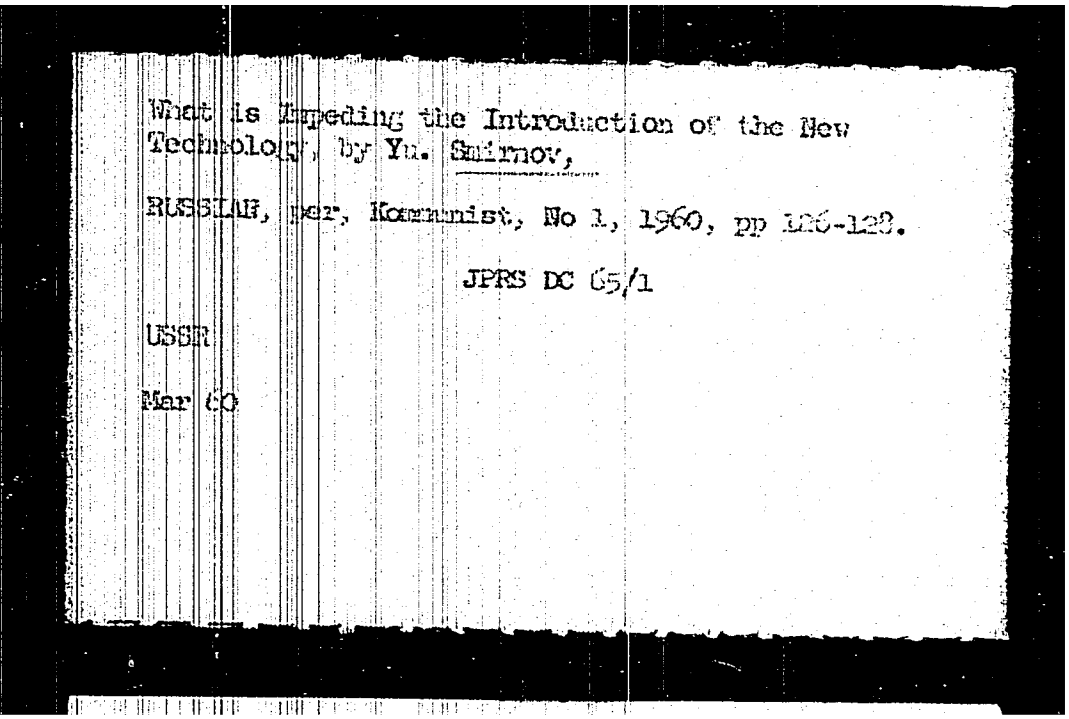

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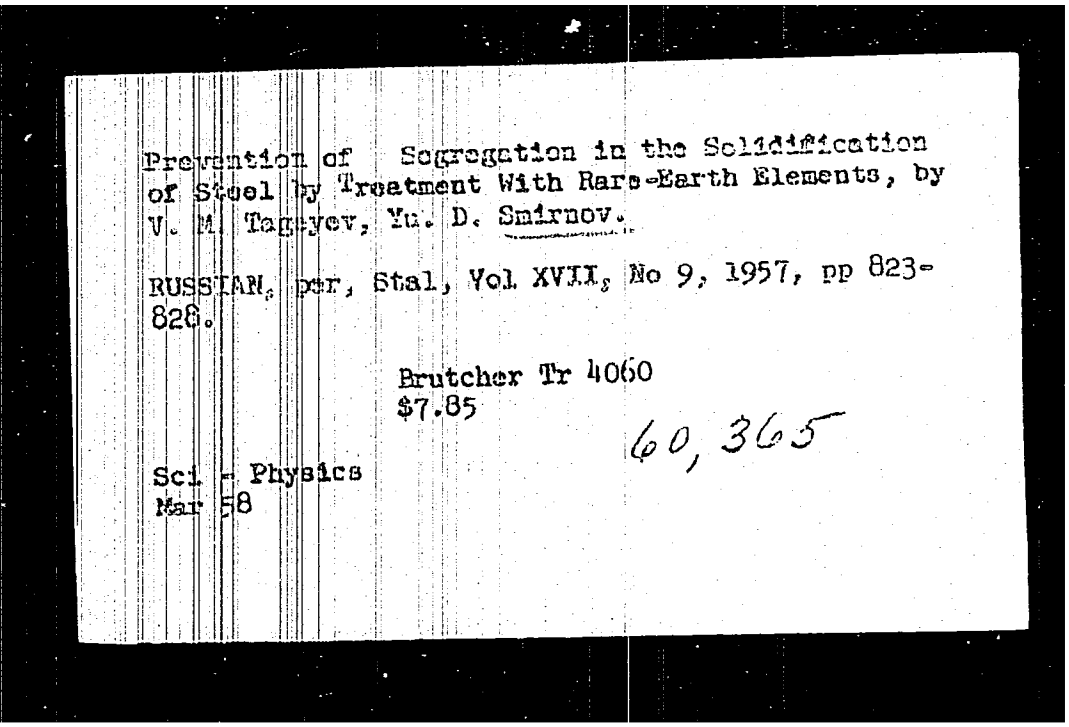

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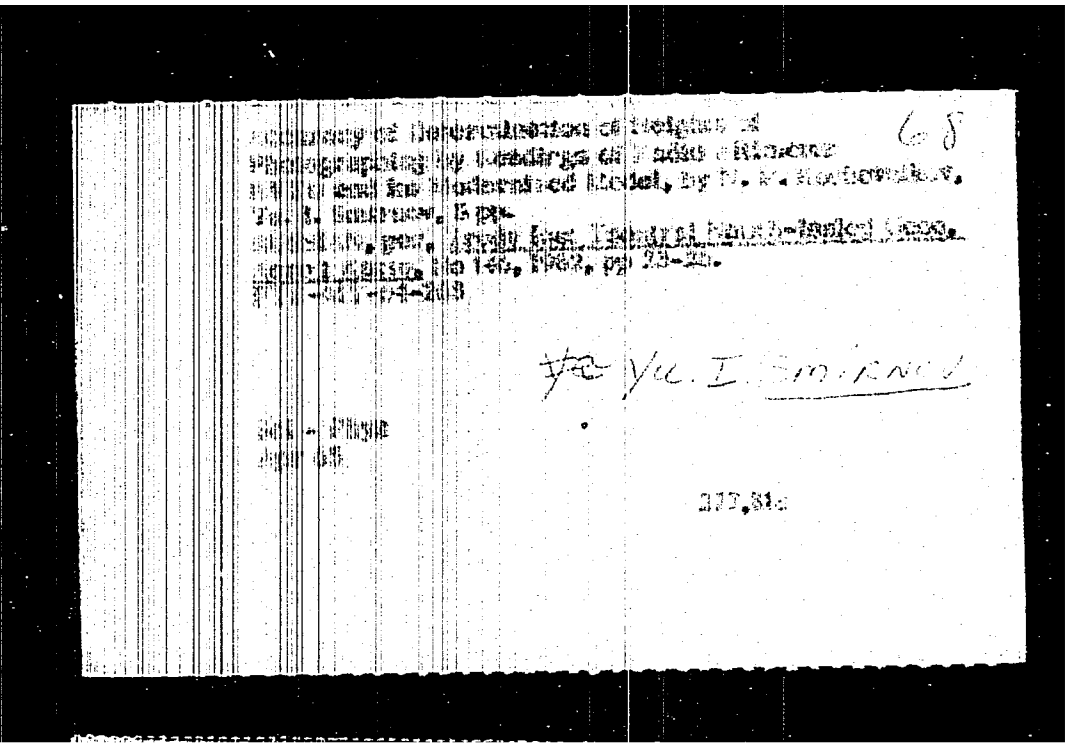

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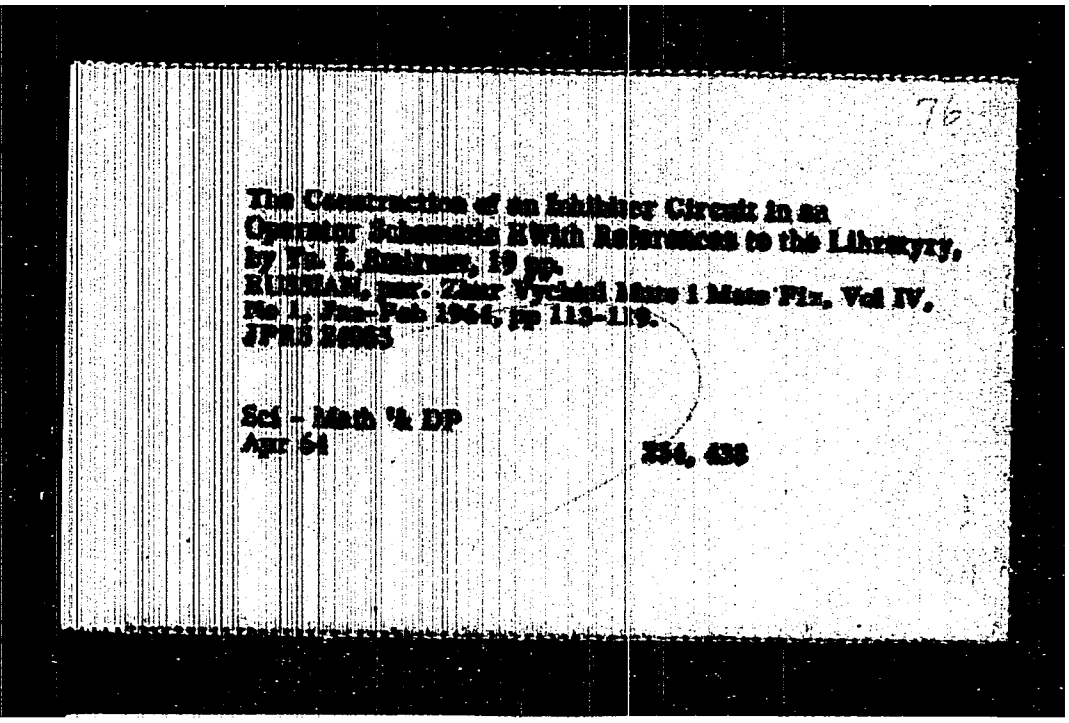

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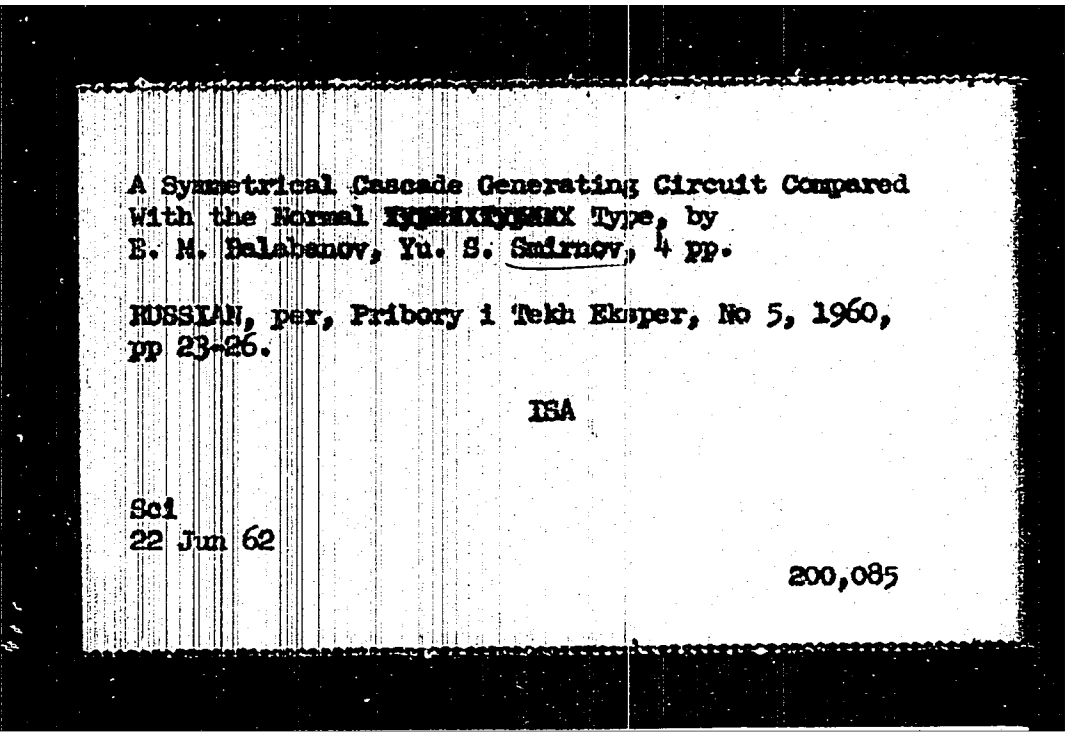

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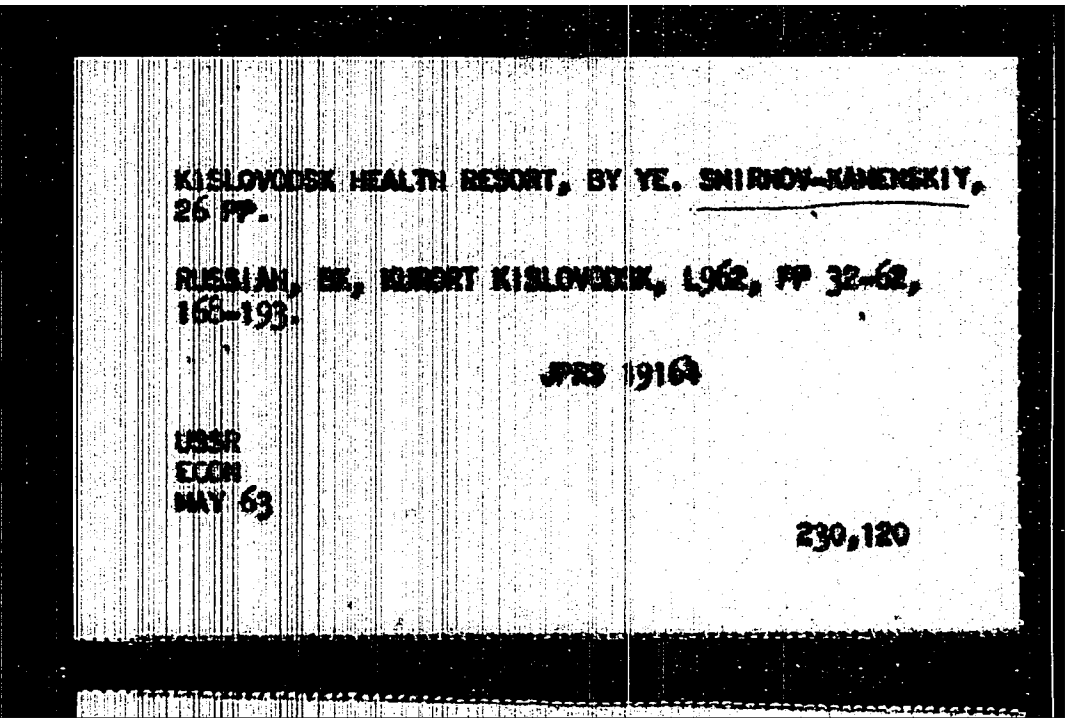

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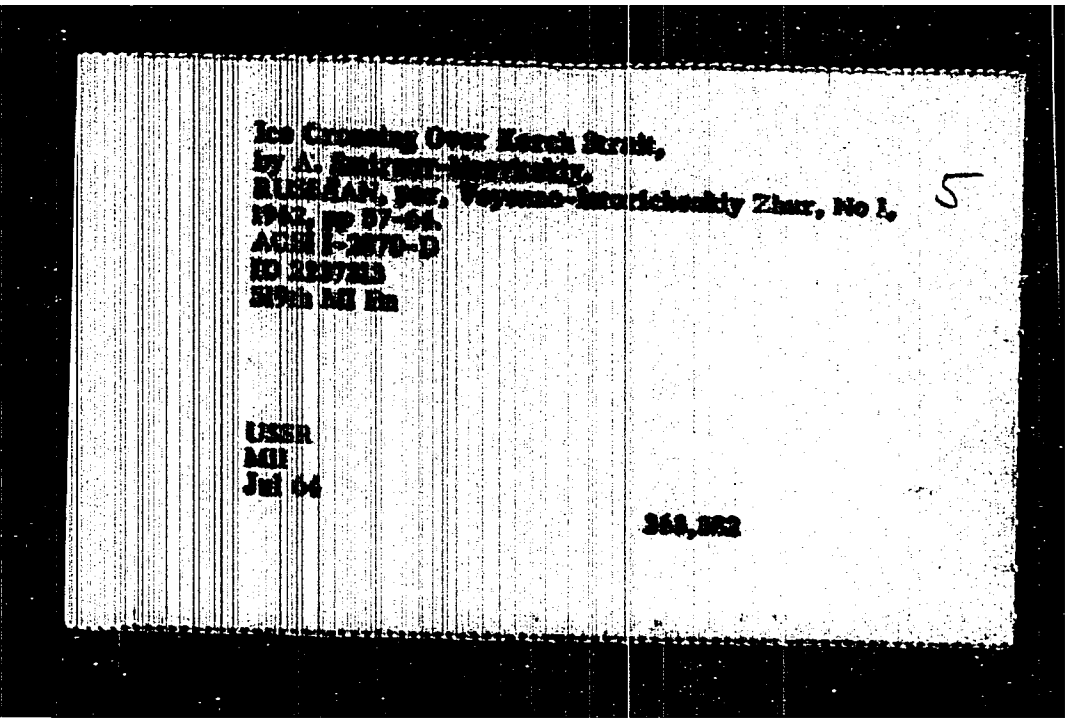

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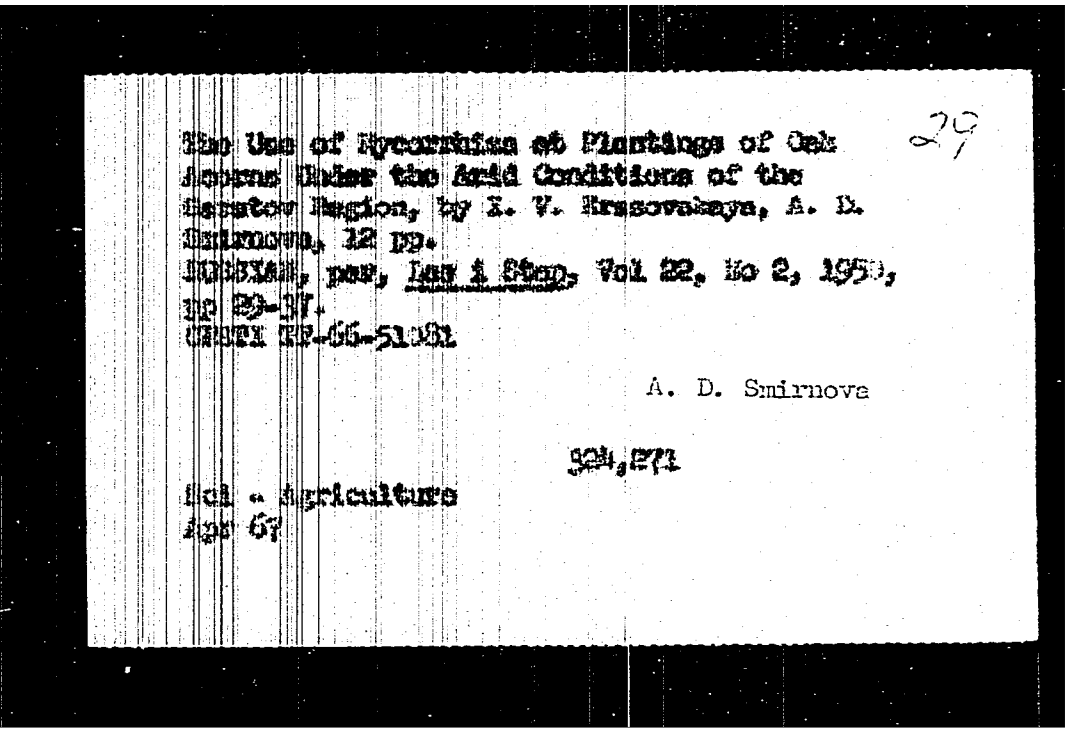

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A. D. Smirnova

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Smirnova, A. D.
ON THE PROBLEM REGARDING THE PHYSIOLOGICAL ROLE OF MYCORHIZA. [1962] 8p. 14 refs.
Order from OTS or SLA $1.10 62-20265

Trans. of [Saratov U. Uchenye Zapiski] (USSR) 1959, v. 64 [p. 135-138].

DESCRIPTORS: Physiology, *Fungi, Plants (Botany), *Trees, Growth, Mycology.

The study that has been carried out makes it possible to draw the following generalized conclusion. An oak (tree), under definite conditions of cultivation, can grow fairly well without the formation of mycorhiza. However, under the same conditions, the presence, in it, of mycorhiza, enhances its possibilities of utilizing nutritive substances in the soil and water, increases its vital activity and, in the long run, leads to an intensification of growth. (Author)
(Biological Sciences--Botany, TT, v. 9, no. 12)

62-20265

1. Title: Mycorhiza
I. Smirnova, A. D.

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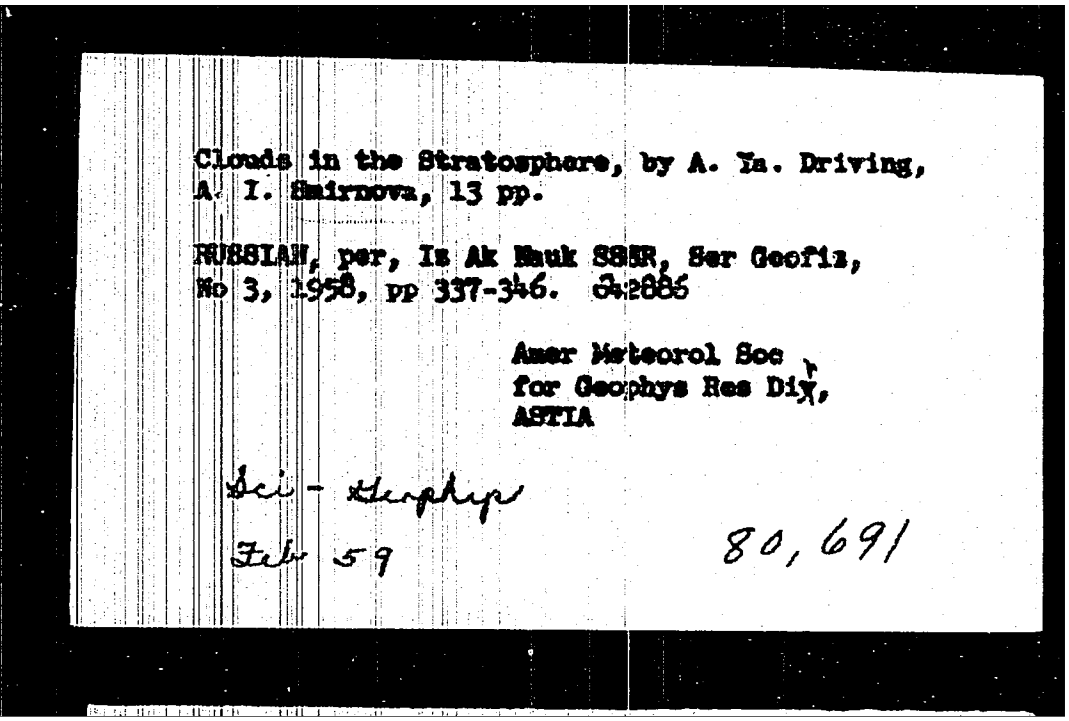

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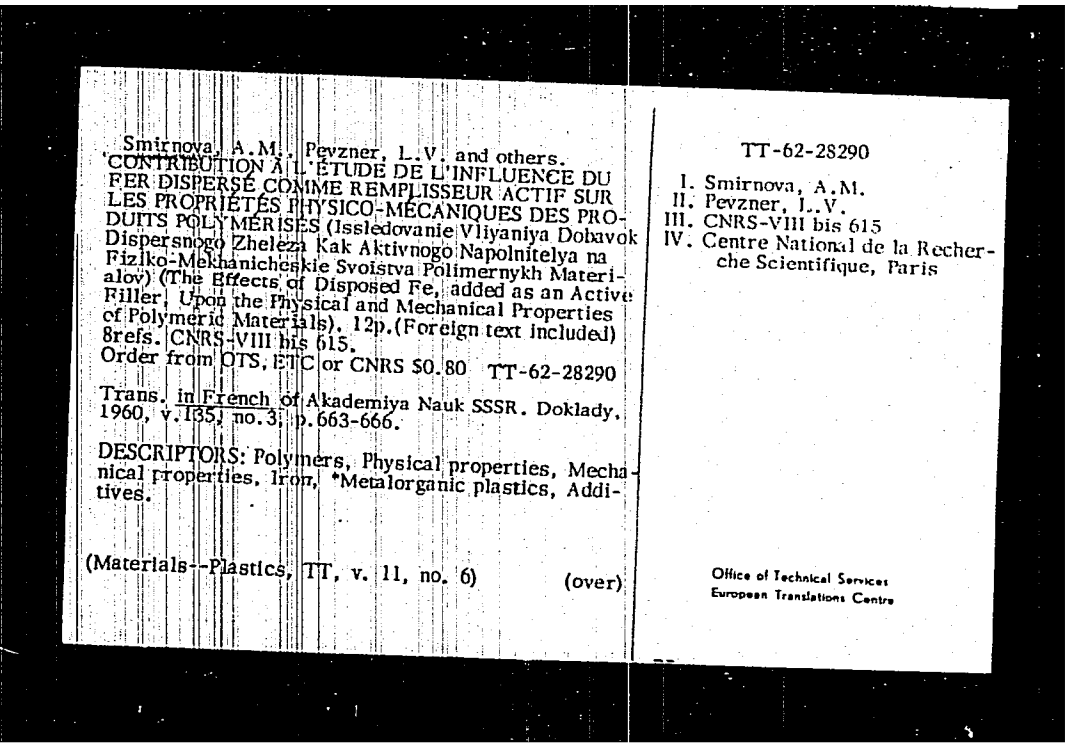

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DESCRIPTORS: Polymers, Physical properties, Mechanical properties, Iron, *Metalorganic plastics, Additives.

(Materials--Plastics, TT, v. 11, no. 6) (over)

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DESCRIPTORS: Biochemistry, Pharmacology, *Hormones, *Chlorpromazine, Tranquillizers, Drugs, Thyroxine, Insulin, Epinephrine, Hyperglycemia, Metabolism, Psychotrophic agents.

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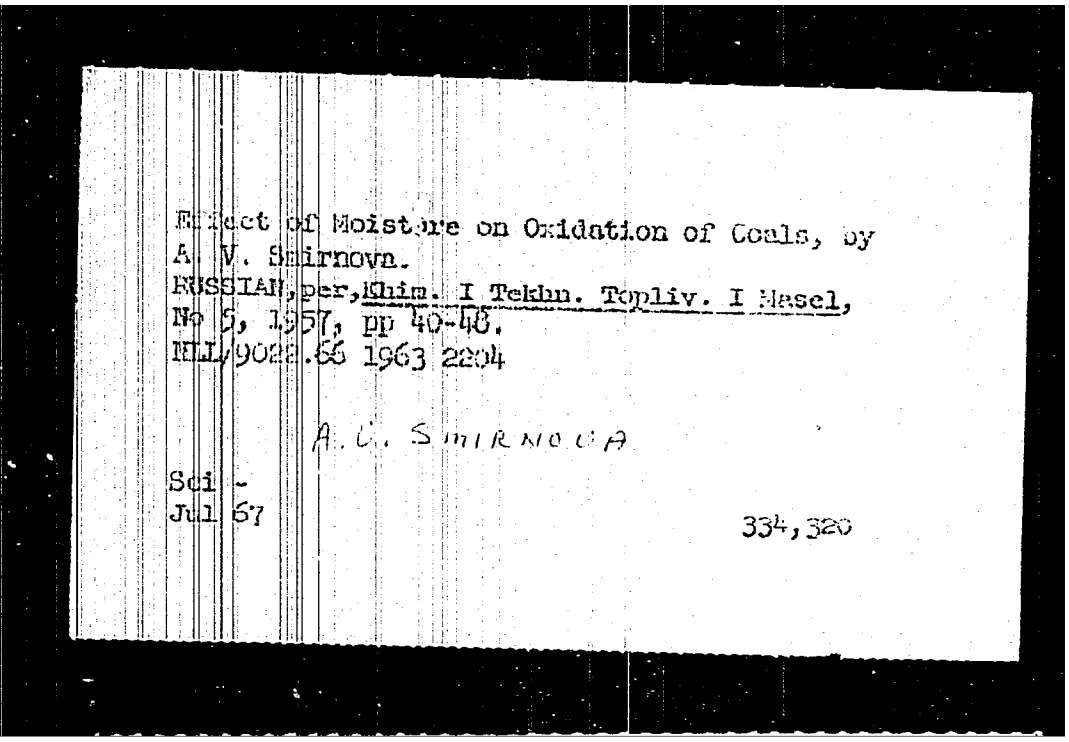

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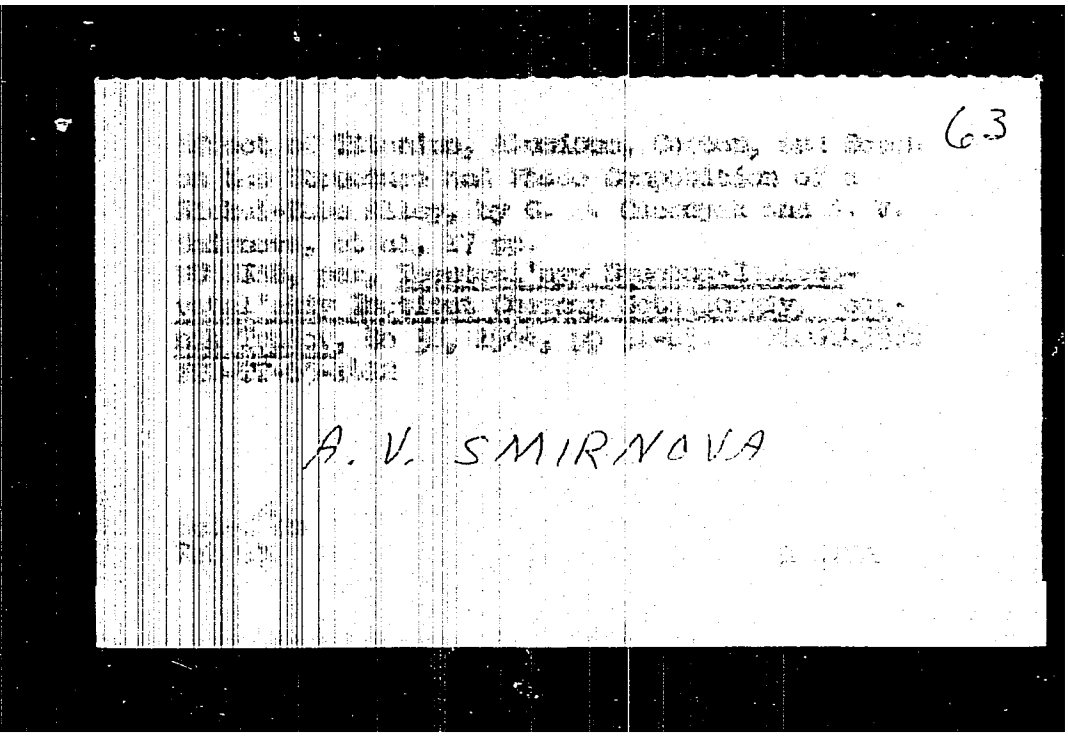

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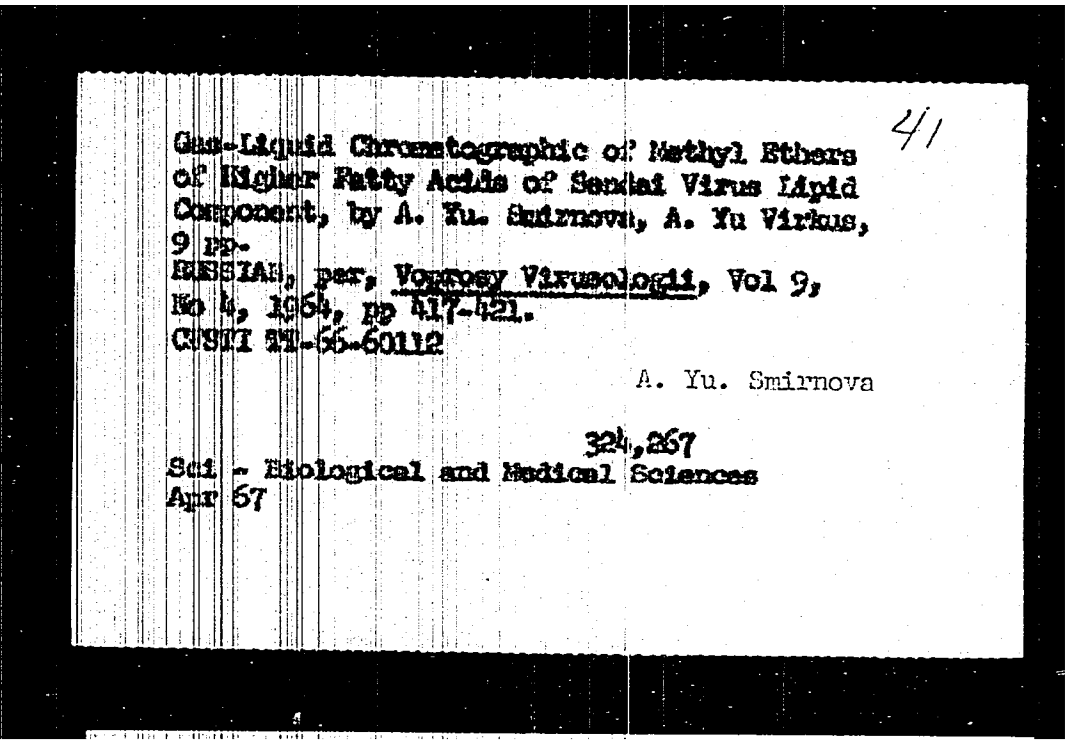

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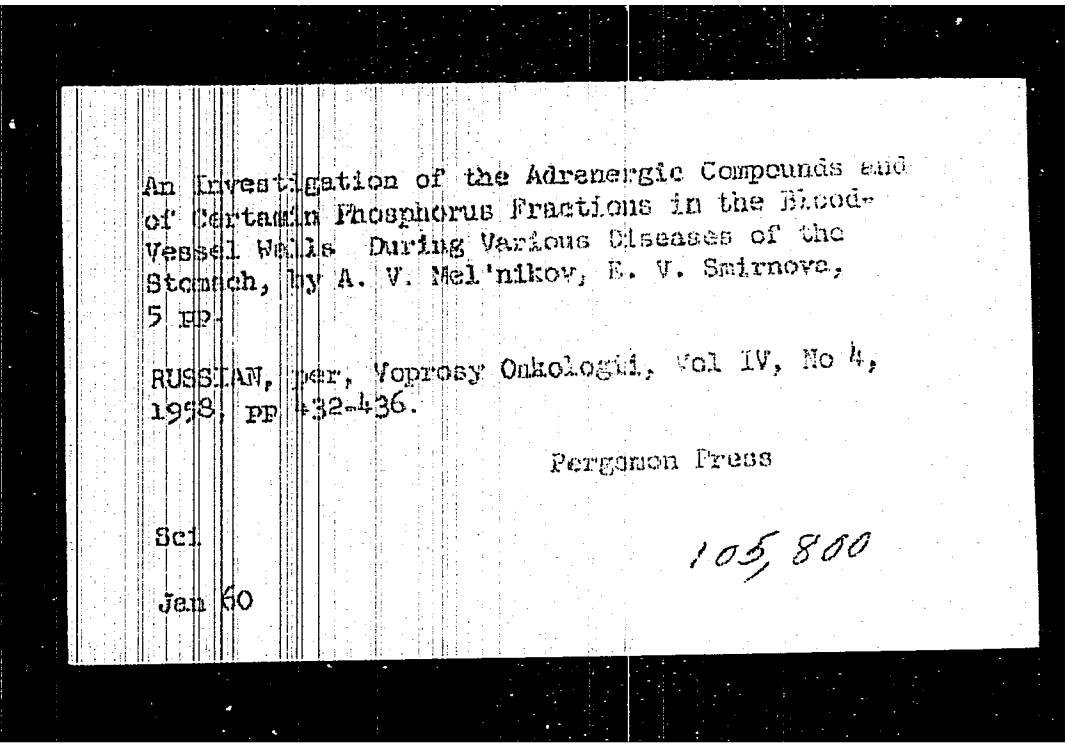

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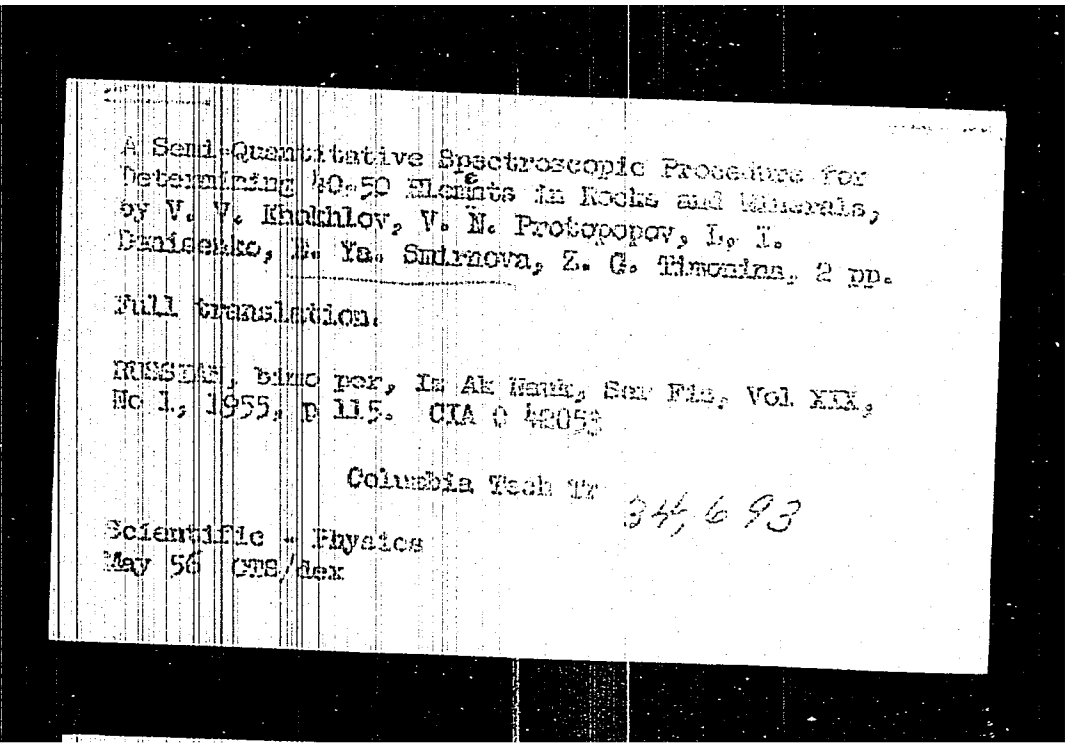

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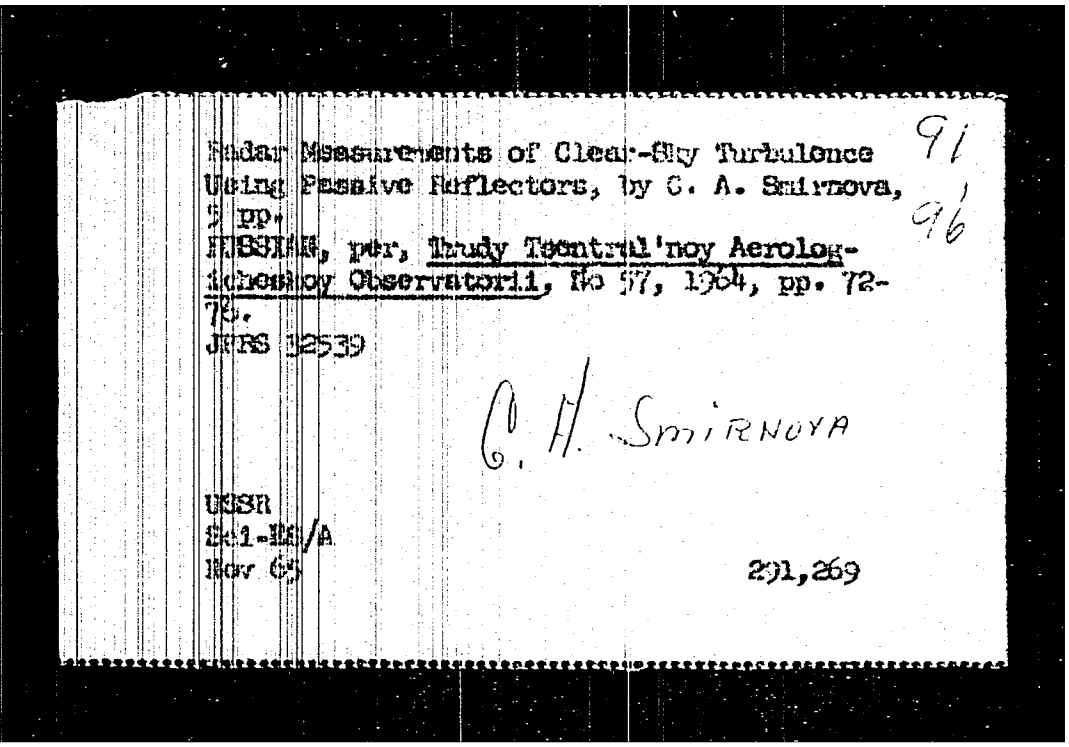

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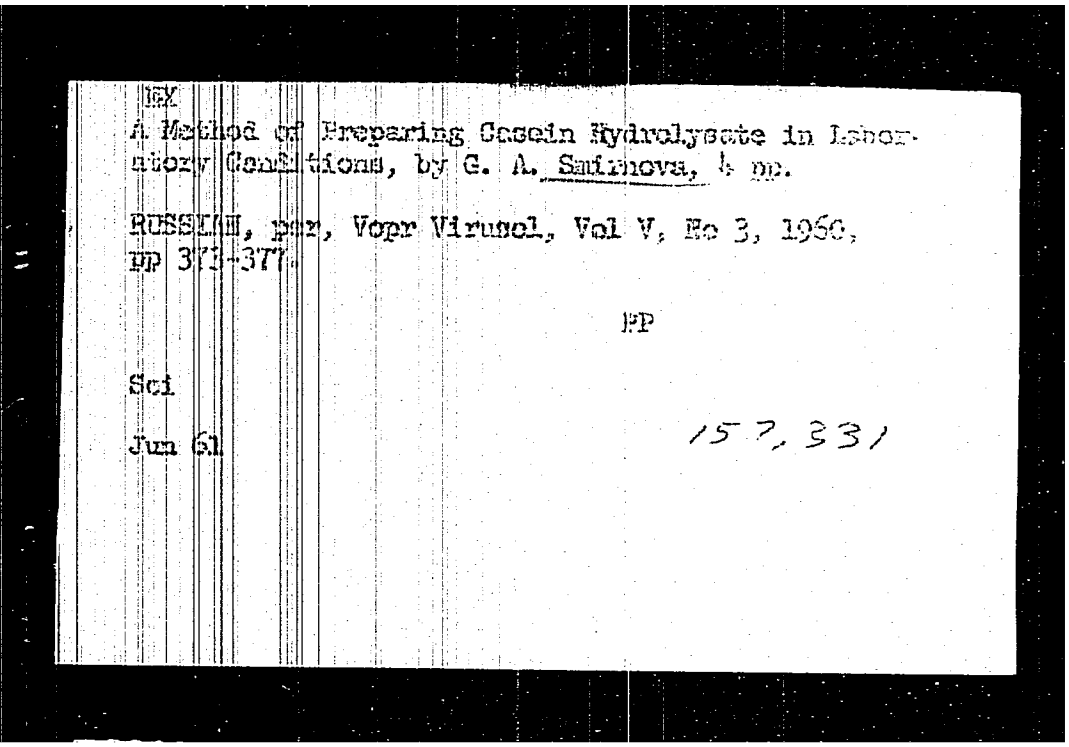

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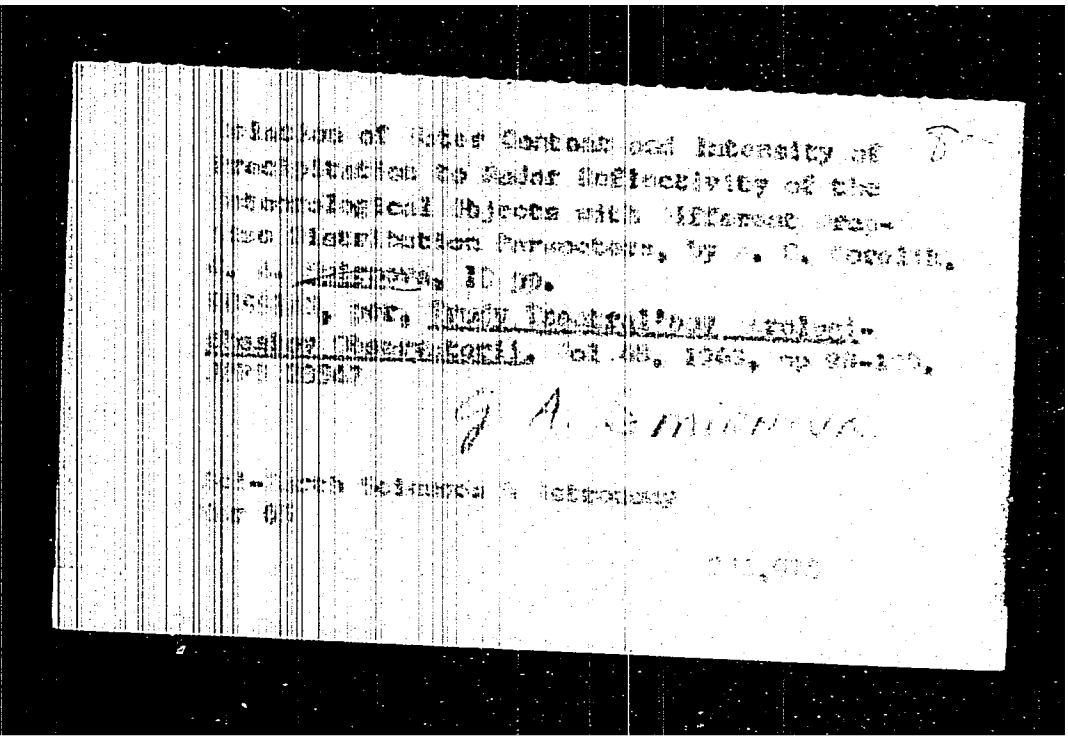

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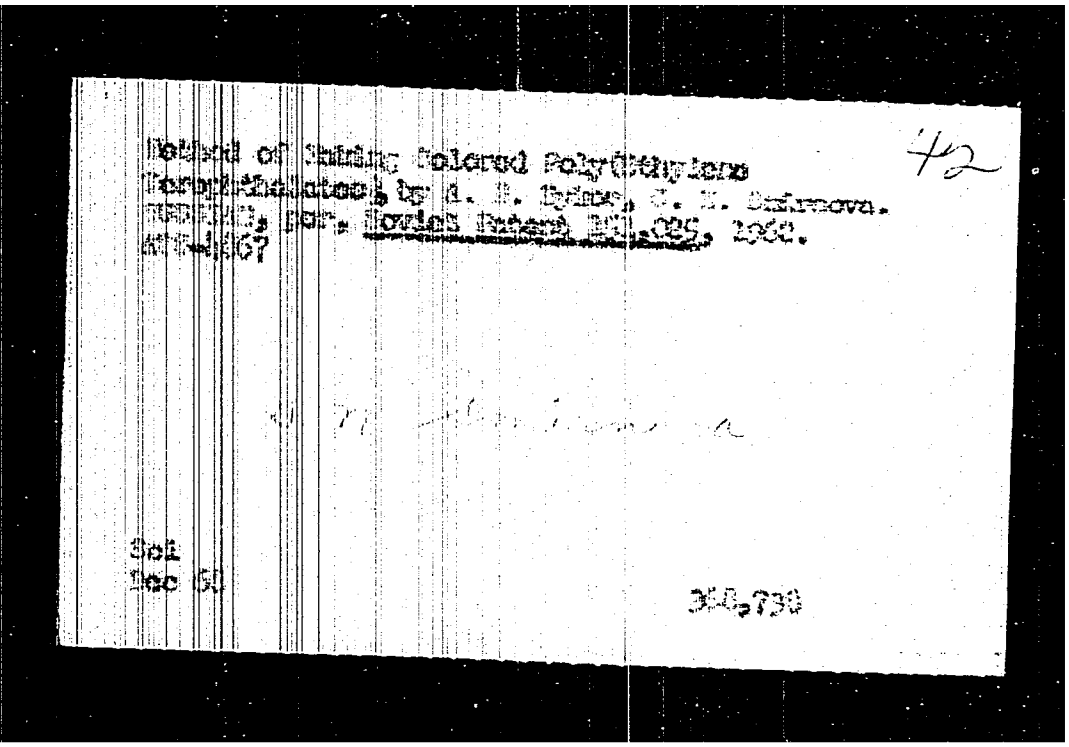

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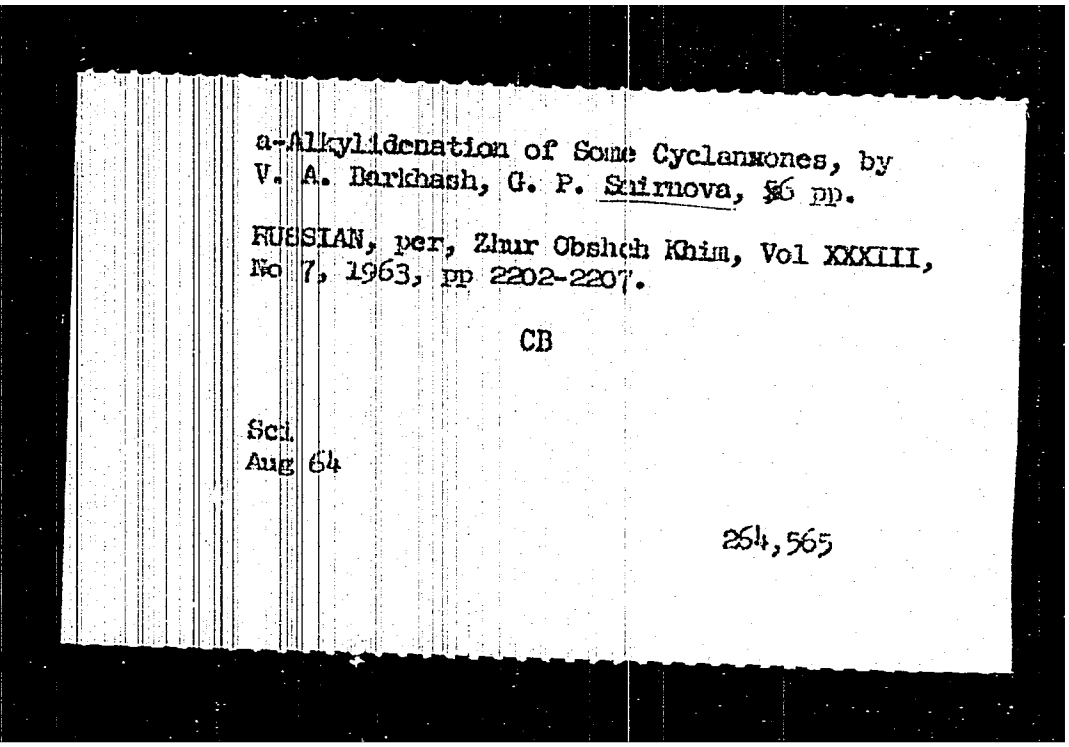

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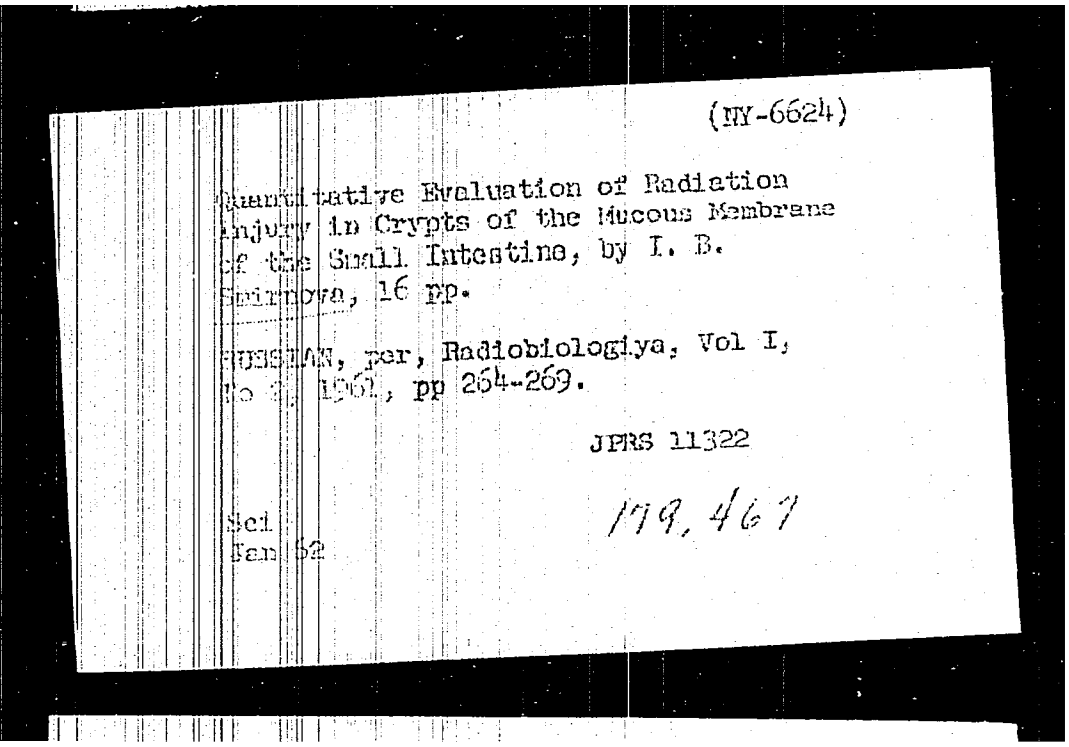

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ON THE ACTIVATION ENERGY OF THE THERMAL DISSOCIATION OF POTASSIUM PERMANGANATE. [1962] 10p. (7 figs. 1 table omitted) 6 refs. Order from OTS or SLA $1.10 62-16633

Trans. of [Zhurnal Fizicheskoi Khimii] (USSR) 1956, v. 30, no. 12, p. 2649-2655.

DESCRIPTORS: *Permanganates, *Potassium compounds, Pyrolysis, Dissociation, Energy, Reaction kinetics.

Formulas are adduced for the calculation of the activation energies in the processes of the orgination (emergence) of initial centers and the nuclear growth of the solid product during the thermal dissociation of potassium permanganate. There are calculated the overall activation energy, the activation energy of the first and second stages in the process of the (Chemistry--Physical, TT, v. 8, no. 9) (over)

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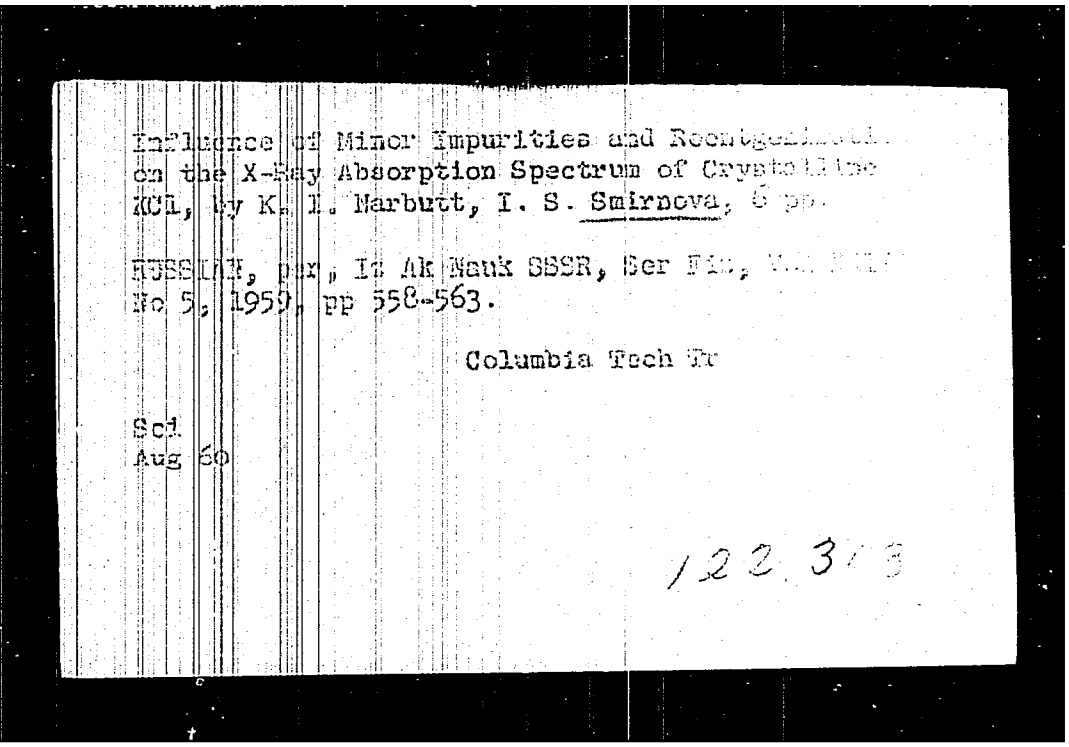

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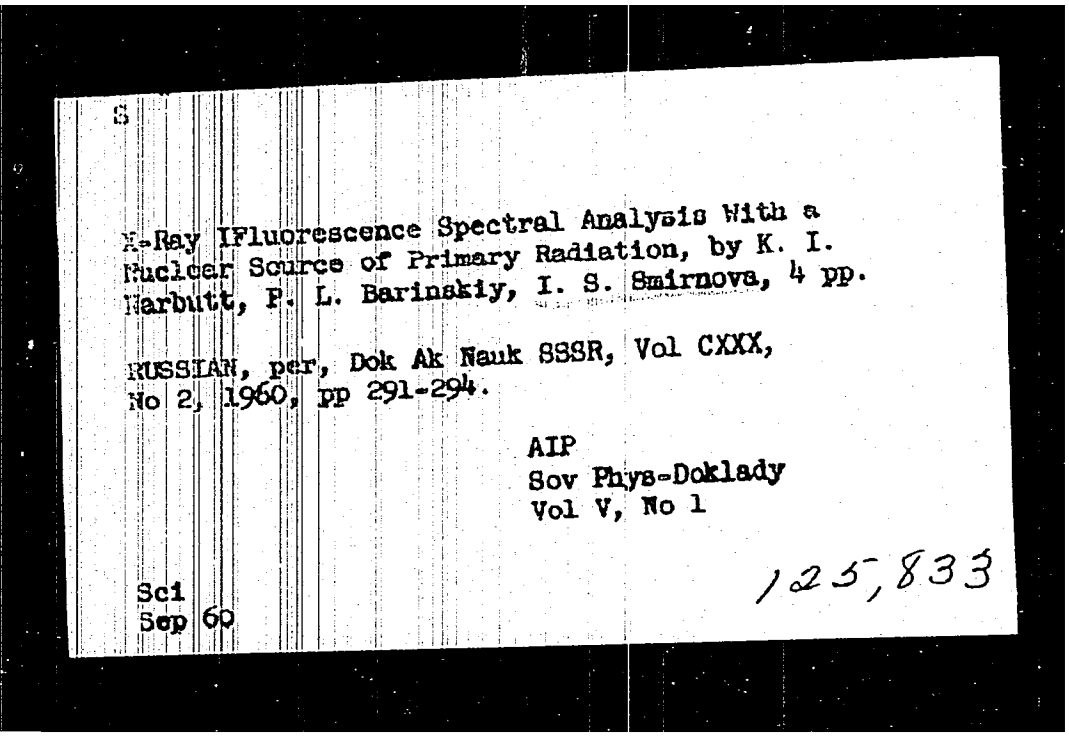

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